

Dispersion Compensating Modules



DCM examples shown are for illustrative purposes. A custom module will be created and a part number assigned based on specifications chosen.

DCMs for Standard Single-Mode Fiber

RightWave DCM Type	Type of Transmission Fiber Compensated	Dispersion Model	Band	Dispersion Slope Compensation Ratio (DSCR)	Relative Dispersion Slope (RDS)
Enhanced Wide Band EWBDK C	Standard Single-Mode Fiber (SMF)	G.652	C-Band	100%	0.0035 ± 20%
EWBDK L		G.652	L-Band	100%	0.0030 ± 20%
EWBDK CL		G.652	C+L-Band	100%	upon request
Low-Loss Wide Band LLWBDK		G.652	C-Band	100%	0.0035 ± 20%
High Figure-of-Merit HFDK		G.652	C-Band	100%	0.0015 to 0.0055
Micro MicroDK		G.652	C-Band	100%	0.0035 ± 20%

DCMs for Non-Zero Dispersion Fiber

RightWave DCM Type	Type of Transmission Fiber Compensated	Dispersion Model	Band	Dispersion Slope Compensation Ratio (DSCR)	Relative Dispersion Slope (RDS)
Enhanced High Slope EHSDK C	TrueWave RS LEAF	G.655	C-Band	100%	0.01 ± 20%
EHSDK L		G.655	L-Band	100%	0.011 ± 20%
High Slope HSDK C	Tera Light Tera Light	G.655	C-Band	65%	0.0063 ± 20%
HSDK L		G.655	L-Band	100%	0.0071 ± 20%

DCMs for Dispersion Shifted Fiber

RightWave DCM Type	Type of Transmission Fiber Compensated	Dispersion Model	Band	Dispersion Slope Compensation Ratio (DSCR)	Relative Dispersion Slope (RDS)
Dispersion Shifted DSDK L	Dispersion Shifted Fiber (DSF)	G.653	L-Band	100%	0.0025 ± 20%

Definitions:

- C-Band is defined as the wavelength range from 1530-1565 nm.
- L-Band is defined as the wavelength range from 1570-1610 nm.
- S-Band and other wavelength ranges are also available.
- DSCR is calculated using RDS data.
- RDS is residual dispersion normalized to the transmission fiber length. It is calculated by averaging over 10 modules. A nominal transmission fiber is assumed, so variability in the dispersion of the transmission fiber is not considered.



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DCMs for TrueWave REACH Transmission Fiber

RightWave DCM Type	Type of Transmission Fiber Compensated	Dispersion Model	Band	Dispersion Slope Compensation Ratio (DSCR)	Relative Dispersion Slope (RDS)
Dispersion Komp REACH DK-C	TrueWave Reach TrueWave Reach TrueWave Reach	G.655	C-Band	100%	upon request
REACH DK-L		G.655	L-Band	100%	upon request
REACH DK-C&L		G.655	C+L Band	100%	upon request

DCMs for Positive Slope Compensation Fiber

RightWave DCM Type	Type of Transmission Fiber Compensated	Dispersion Model	Band	Dispersion Slope Compensation Ratio (DSCR)	Relative Dispersion Slope (RDS)
Dispersion Komp DK+	Dispersion Trimming Fiber	Positive	Any	upon request	upon request

DCMs for S-Band

RightWave DCM Type	Type of Transmission Fiber Compensated	Dispersion Model	Band	Dispersion Slope Compensation Ratio (DSCR)	Relative Dispersion Slope (RDS)
AllWave SBDK	AllWave	Positive	S-Band	upon request	0.0040 ± 20%

DCMs for Special Applications

RightWave DCM Type	Type of Transmission Fiber Compensated	Dispersion Model	Band	Dispersion Slope Compensation Ratio (DSCR)	Relative Dispersion Slope (RDS)
All CSDK	All fiber types	G.655	Any	upon request	upon request

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